

GAL® Product Line Cross Reference

MANUFACTURER	PART #	LSC PART #	MANUFACTURER	PART #	LSC PART #
ALTERA	EP310	GAL16V8Z ¹	AMD	PAL20R6	GAL20V8
	EP320	GAL16V8 ¹		PAL20R8	
	EP330	or... GAL18V10		AmPAL20RP4	
	5C031	GAL16V8 ¹		AmPAL20RP6	
	5C032	or... GAL16V8Z		AmPAL20RP8	
	85C220	or... GAL18V10		PALCE20V8	GAL20V8
	85C224	GAL20V8 ¹		PAL20RA10	GAL20RA10
		or... GAL22V10		AmPAL20RP10	GAL22V10
AMD	85C22V10	GAL22V10		PAL20S10	GAL6002 ¹
	PAL10H8	GAL16V8		PAL20RS4	or... GAL22V10 ¹
	PAL10L8			PAL20RS8	
	PAL12H6			PAL20RS10	
	PAL12L6			PAL12L10	GAL20XV10
	PAL14H4			AmPAL20L10	
	PAL14L4			PAL20L10	
	PAL16H2			PAL20X4 ²	
	PAL16L2			PAL20X8 ²	
	PAL20X10 ²			PAL20X10 ²	
	PAL16L8	GAL16V8	ATMEL	AmPAL22V10	GAL22V10
	PAL16R4			PAL22V10	
	PAL16R6			PALC22V10	
	PAL16R8			PALCE22V10	
	PALC16L8			PALCE24V10	GAL26CV12 ¹
	PALC16R4			PALCE26V12	
	PALC16R6			PLS167	GAL6002 ¹
	PALC16R8			PLS168	
	AmPAL16L8			AT22V10	GAL22V10
	AmPAL16R4		CYPRESS	PALC16L8	GAL16V8
	AmPAL16R6			PALC16R4	
	AmPAL16R8			PALC16R6	
	PAL16P8	GAL16V8		PALC16R8	
	PAL16RP4			PLDC18G8	GAL20XV10 ¹
	PAL16RP6				or... GAL18V10
	PAL16RP8			PALC20G10	GAL16V8 ¹
	PALCE16V8	GAL16V8		PALC22V10	or... GAL22V10
	PALCE16V8Z	GAL16V8Z		PAL22V10	
	AmPAL18P8	GAL16V8 ¹		PLD20RA10	GAL20RA10
		or... GAL18V10	HARRIS	HPL16LC8	GAL16V8
	PAL14L8	GAL20V8		HPL16RC4	
	PAL16L6			HPL16RC6	
	PAL18L4			HPL16RC8	
	PAL20L2				
	PAL20L8	GAL20V8			
	PAL20R4				

1) Conversion possible but not 100% compatible with this device.

2) PLCC pin-out may not be 100% compatible.

GAL Product Line Cross Reference

MANUFACTURER	PART #	LSC PART #
ICT	PEEL18CV8	GAL16V8 ¹ or... GAL18V10
	PEEL153 PEEL253	GAL16V8 ¹ or... GAL18V10 ¹
	PEEL20CG10 PEEL22CV10A	GAL20V8 ¹ or... GAL22V10
NATIONAL	PAL10H8	GAL16V8
	PAL10L8 PAL12H6 PAL12L6 PAL14H4 PAL14L4 PAL16H2 PAL16L2	GAL16V8
	PAL16L8 PAL16R4 PAL16R6 PAL16R8	GAL16V8
	GAL16V8 GAL16V8A	GAL16V8
	GAL18V10	GAL18V10
	PAL14L8 PAL16L6 PAL18L4 PAL20L2	GAL20V8
	PAL20L8 PAL20P8 PAL20R4 PAL20RP4 PAL20R6 PAL20RP6 PAL20R8 PAL20RP8	GAL20V8
	PAL20RA10	GAL20RA10
	PAL20L10 PAL20X4 PAL20X8 PAL20X10	GAL20XV10
	GAL22V10	GAL22V10
	GAL26CV12	GAL26CV12
	GAL6001	GAL6001 or... GAL6002

1) Conversion possible but not 100% compatible with this device.

MANUFACTURER	PART #	LSC PART #
SGS-THOMSON	GAL16V8	GAL16V8
	GAL20V8	GAL20V8
	GAL39V18	GAL6001 or... GAL6002
SIGNETICS	PLHS16L8 PLUS16L8 PLUS16R4 PLUS16R6 PLUS16R8	GAL16V8
	PLHS18P8	GAL16V8 ¹ or... GAL18V10
	PLS153 PHD16N8	GAL16V8 ¹ or... GAL18V10 ¹
	PLUS20L8 PLUS20R4 PLUS20R6 PLUS20R8	GAL20V8
	PLUS168 PLUS173	GAL6002 ¹
TI	TIBPAL16L8 TIBPAL16R4 TIBPAL16R6 TIBPAL16R8	GAL16V8
	TICPAL16L8 TICPAL16R4 TICPAL16R6 TICPAL16R8	GAL16V8
	EP330 TIBPAD16N8	GAL16V8 ¹ or... GAL18V10 ¹
	TIBPAL20L8 TIBPAL20R4 TIBPAL20R6 TIBPAL20R8	GAL20V8
	TIBPAL20L10 TIBPAL20X4 TIBPAL20X8 TIBPAL20X10	GAL20XV10
	TIBPAL22V10 TICPAL22V10	GAL22V10
	TIBPLS506C TIBPLS507C TIB82S105 TIB82S167	GAL6002 ¹



Copyright © 1996 Lattice Semiconductor Corporation.

E²CMOS, GAL, ispGAL, ispLSI, pLSI, pDS, Silicon Forest, UltraMOS, Lattice Logo, L with Lattice Semiconductor Corp. and L (Stylized) are registered trademarks of Lattice Semiconductor Corporation (LSC). The LSC Logo, Generic Array Logic, In-System Programmability, In-System Programmable, ISP, ispATE, ispCODE, ispDOWNLOAD, ispGDS, ispStarter, ispSTREAM, ispTEST, ispTURBO, Latch-Lock, pDS+, RFT, Total ISP and Twin GLB are trademarks of Lattice Semiconductor Corporation. ISP is a service mark of Lattice Semiconductor Corporation. All brand names or product names mentioned are trademarks or registered trademarks of their respective holders.

Lattice Semiconductor Corporation (LSC) products are made under one or more of the following U.S. and international patents: 4,761,768 US, 4,766,569 US, 4,833,646 US, 4,852,044 US, 4,855,954 US, 4,879,688 US, 4,887,239 US, 4,896,296 US, 5,130,574 US, 5,138,198 US, 5,162,679 US, 5,191,243 US, 5,204,556 US, 5,231,315 US, 5,231,316 US, 5,237,218 US, 5,245,226 US, 5,251,169 US, 5,272,666 US, 5,281,906 US, 5,295,095 US, 5,329,179 US, 5,331,590 US, 5,336,951 US, 5,353,246 US, 5,357,156 US, 5,359,573 US, 5,394,033 US, 5,394,037 US, 5,404,055 US, 5,418,390 US, 5,493,205 US, 0194091 EP, 0196771B1 EP, 0267271 EP, 0196771 UK, 0194091 GB, 0196771 WG, P3686070.0-08 WG. LSC does not represent that products described herein are free from patent infringement or from any third-party right.

The specifications and information herein are subject to change without notice. Lattice Semiconductor Corporation (LSC) reserves the right to discontinue any product or service without notice and assumes no obligation to correct any errors contained herein or to advise any user of this document of any correction if such be made. LSC recommends its customers obtain the latest version of the relevant information to establish, before ordering, that the information being relied upon is current.

LSC warrants performance of its products to current and applicable specifications in accordance with LSC's standard warranty. Testing and other quality control procedures are performed to the extent LSC deems necessary. Specific testing of all parameters of each product is not necessarily performed, unless mandated by government requirements.

LSC assumes no liability for applications assistance, customer's product design, software performance, or infringements of patents or services arising from the use of the products and services described herein.

LSC products are not authorized for use in life-support applications, devices or systems. Inclusion of LSC products in such applications is prohibited.

LATTICE SEMICONDUCTOR CORPORATION
5555 Northeast Moore Court
Hillsboro, Oregon 97124 U.S.A.
Tel.: (503) 681-0118
FAX: (503) 681-3037
<http://www.latticesemi.com>

November 1996